

Owner's manual

Dion 125


Nipponia S.A.
OWA001-EN





INTRODUCTION

This Owner's Manual contains basic instructions on how to operate, inspect and maintain your scooter. Please read it carefully and thoroughly. Correctly operating, maintaining and repairing your scooter will minimise any possible risks and result in its best performance. The authorised Nipponia service points will be glad to provide you with more detailed instructions.

Important information contained in this manual is marked using the following symbols:

-  **NOTE:** Important information or instructions

-  **ATTENTION:** Important information or instructions. Failure to follow these instructions may result in damage to your scooter or minor injury

-  **WARNING:** Important information or instructions. Failure to follow these instructions may result in heavy damage to your scooter, serious injury or even death

This manual is an integral part of the scooter and must always accompany it, even in the event of a resale.

If you have any questions concerning the contents of this manual or need further information regarding the operation of your scooter, do not hesitate to contact your local Nipponia dealer.

This booklet is compiled with the latest available information. However, due to constant improvements, modifications or alterations may be made without prior notification. Updated versions can be downloaded from the Nipponia website www.nipponia.com.



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SAFETY INFORMATION

Safe riding

1. Always perform the pre-operation inspection before driving.
2. The scooter should not be used by anyone who does not hold a valid driving license.
3. Many accidents involve motorcycles not seen by other drivers, so please pay attention to the following:
 - Wear bright coloured clothes.
 - Do not drive too close to other vehicles or in another driver's blind spot.
 - Avoid overtaking.
4. Always follow local traffic regulations.
 - Driving above the speed limit is the reason for many accidents. Driving speed must not exceed the limit specified by traffic regulations and allowed by road conditions.
 - Always signal when turning or changing lanes in order to attract the attention of the other drivers.
5. Never drive under the influence of alcohol or other drugs; it dramatically increases the risk of accidents.
6. Exercise special attention when driving over crossroads or parking area exits.
7. When driving you must hold the handlebars with both hands and place your feet on the footboard. The passenger should hold the handgrips or the driver and place his feet on the footrests.
8. This scooter is designed for on-road use only. It is not suitable for off-road use.



SAFETY INFORMATION

Protective clothing

1. For your safety, the driver and passenger should both wear helmets. Use of additional safety apparel (gloves, glasses, protective wear) is recommended.
2. Do not wear loose clothing, as it may be caught by the handle levers, the kick starter or the wheels and could lead to an accident.
3. During or after operation, the muffler's temperature is very high. Exercise extreme caution as it can cause burns.

Vehicle modifications

Making any modifications to the scooter or replacing the original components can affect its performance and safety and/or render it illegal for use. Observe applicable laws and all national and local regulations concerning vehicle equipment. Additionally, such modifications will cancel the warranty.

Loading

Adding accessories or cargo to your scooter can adversely affect stability and handling if the weight distribution of the scooter is changed. Use extra care when riding a scooter with extra load. Here are some general guidelines to follow when loading cargo or adding accessories to your scooter:

1. All accessories must be fastened securely on the vehicle in order to minimise vibration that could cause instability.
2. Any extra load should be placed as close to the gravity centre as possible and must be equally



SAFETY INFORMATION

distributed on both sides of the scooter to avoid imbalance and instability.

3. The tyre pressure must be adapted to the weight of the load and road conditions.
4. Make sure that extra load is securely attached to the vehicle to prevent it from falling and being lost.
5. Do not hang any load on the handlebars or the suspension.
6. The total weight of the driver, passenger, accessories and cargo must not exceed the maximum load limit of the scooter **(186kg)**.

Accessories

When installing accessories not approved by Nipponia, attention should be paid to the following points:

1. The installation of the accessories must not affect the suspension travel, the light position and the steering angle.
2. Do not obstruct the ventilation duct, to ensure cooling of the engine.
3. Avoid installing any accessories that could hinder your access to vehicle controls and movement of your hands and feet as it could impair your reaction in an emergency event.
4. Do not install a bulb with higher power than that specified. It could burn the fuse or cause problems to the electrical system due to low voltage.
5. Do not add a sidecar to the scooter.



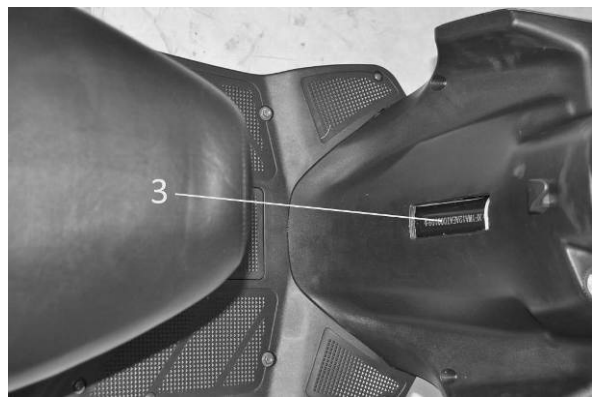
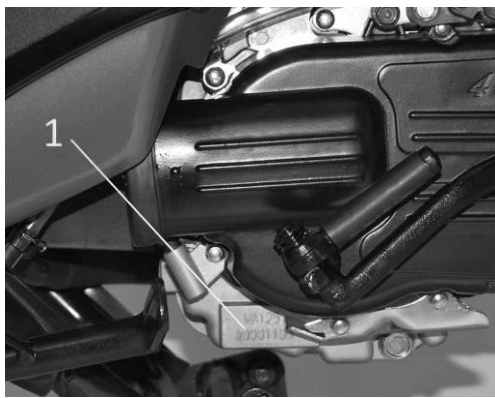
NOTE:

- Please make a note of your scooter's VIN and Engine number, so you can place your orders quickly when purchasing spare parts for Nipponia.



VEHICLE IDENTIFICATION

The **Engine number (1)** is engraved on the lower left part of the engine case. The **Frame label (2)** is located on the right side of the main stand and the **Vehicle identification number-VIN (3)** is located on the main front bar of the scooter frame and is covered by the VIN cap.



You can write your scooter's identification numbers here:

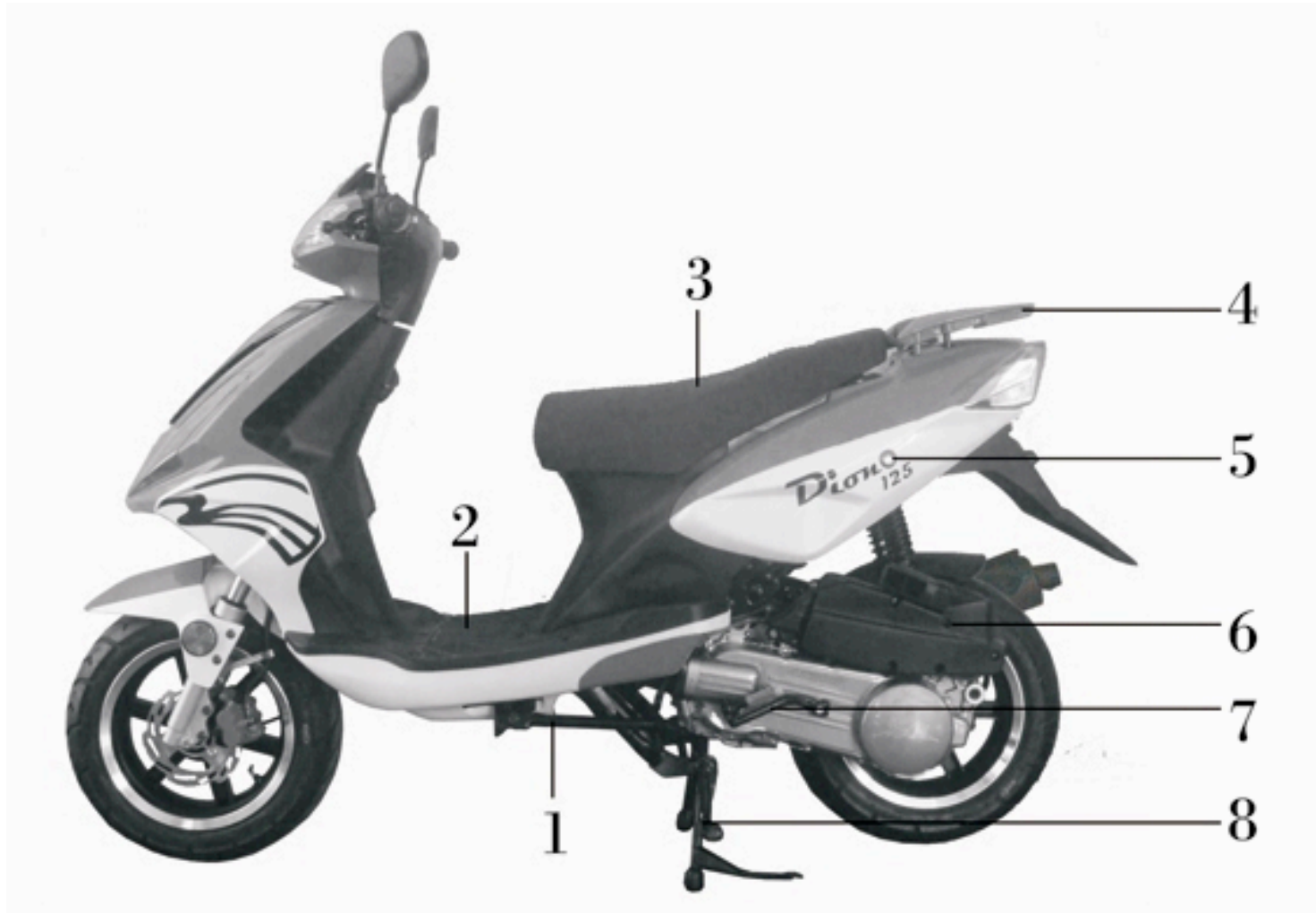
Vehicle identification number:

Engine number:



VEHICLE DESCRIPTION

Left view



1: Side stand, 2: Battery cover, 3: Seat, 4: Handgrip, 5: Seat lock,
6: Air filter, 7: Kick Starter, 8: Main Stand



VEHICLE DESCRIPTION

Right view



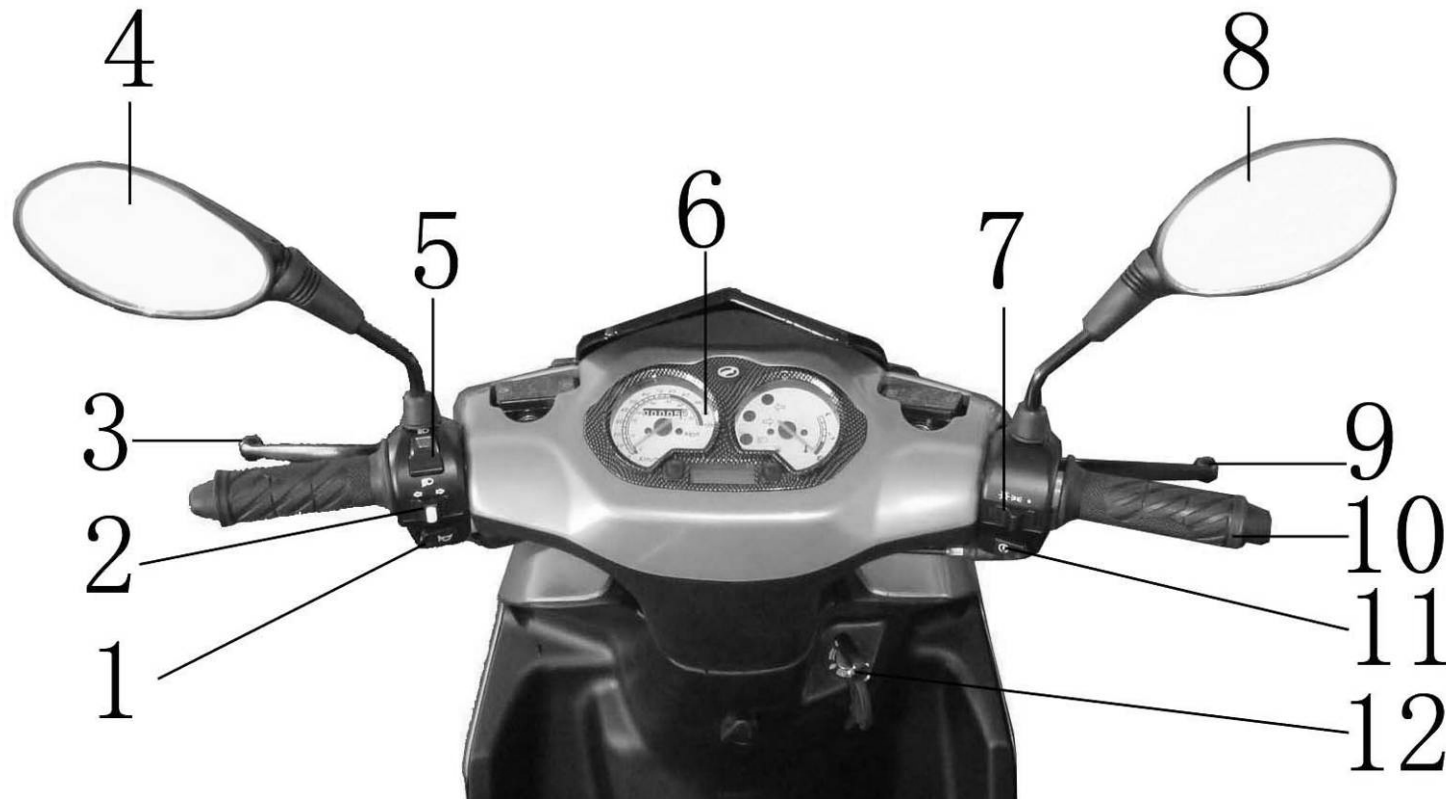
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1: Exhaust muffler, 2: Pillion footrest, 3: Rear light, 4: Fuel tank,
5: Storage compartment, 6: Front turn signal light, 7: Headlight



VEHICLE DESCRIPTION

Instruments and controls

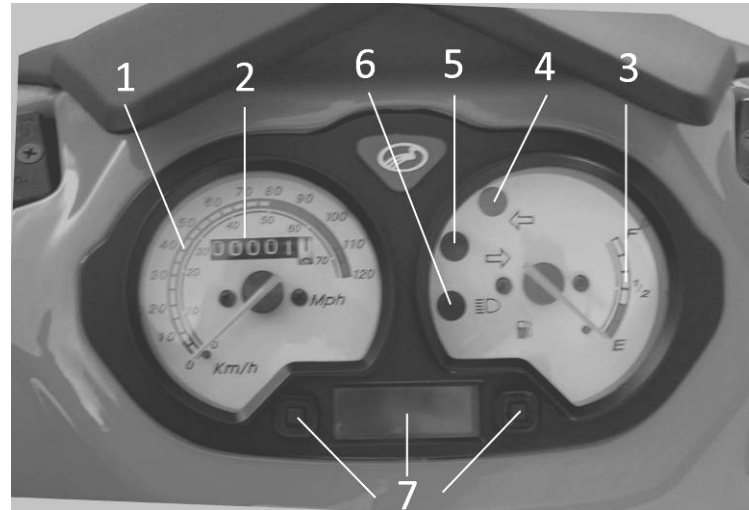


- 1: Horn button, 2: Turn signal switch, 3: Rear braking lever, 4: Left rear-view mirror,
5: Dimmer switch, 6: Instrument panel, 7: Light switch, 8: Right rear-view mirror,
9: Front braking lever, 10: Throttle grip, 11: Start button, 12: Main/Ignition switch



MAIN COMPONENTS

Instrument Panel



Speedometer (1)

This meter displays the current driving speed in km/h and mph.

Odometer (2)

This meter displays the accumulated mileage of the scooter in km.

Fuel gauge (3)

This gauge indicates the amount of fuel left in the fuel tank. When the hand reaches the F (Full) mark, there are 5L in the tank. When it reaches the red area, there is about 1.2L left in the tank and it needs to be refilled.

Left turning signal indicator (4)

This indicator flashes when left turn signal light is on.



MAIN COMPONENTS

Right turning signal indicator (5)

This indicator flashes when right turn signal light is on.

High Beam indicator (6)

This indicator lights when the dimmer switch is in the high beam position.

Clock and set buttons (7)


This mini screen functions as a clock. The time can be set by two buttons, one on each side of the screen.


Controls


Main/Ignition switch (1)

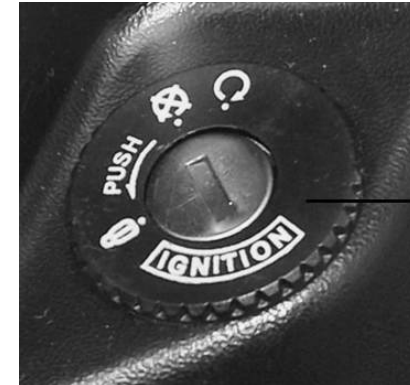
The main switch is located at the upper right part of the frame body. It is used to control the ignition and electrical systems, and to lock the steering wheel. To use it insert the ignition key.

The switch can then be turned to the following positions:

“” **ON:** The engine and the electrical system are on and the key cannot be removed.

“” **OFF:** The engine and the electrical system are off and the key can be removed.

“” **Steering lock:** The steering is locked and cannot be turned, the engine and the electrical system are off and the key can be removed.



1



 **WARNING:**
- Never locking the steering  3, the handlebars must be driving as if full left position and the key should be pressed properly.



MAIN COMPONENTS

- After locking the steering, move the handlebars slightly to check whether they have locked.

Steering lock



To lock the steering, turn the handlebars all the way to the left and insert the key in the main switch **(1)**. Then press down and, while pressing, turn to “” position to lock. To unlock the steering, insert the key and turn it to “” position.
To prevent from theft, always lock the steering when parked.



Start button (2)

To start the engine using the start button make sure to raise the side stand and hold the front or rear brake. Then press the start button to start the engine.

Light switch (3)

It has three positions: “●”, “” and “”

“●”: Headlight, rear light, position light and license plate light are off.







NOTE:

- The turn signal switch does not turn off automatically. You must press it to switch off after turning otherwise it may affect the driver around you.



MAIN COMPONENTS

- “”: Turn the light switch to this position, after the engine has started, to turn on the position light, rear light and license plate light. In this position the headlight is off. It is recommended for afternoon use.
- “”: Turn the light switch to this position, after the engine has started, to turn on the headlight, position light, rear light and license plate light. It is recommended for use while driving at night in reduced visibility conditions.



Dimmer switch (4)

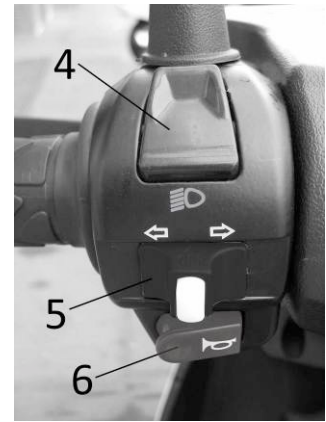
This switch controls the headlight beam (with the light switch in “” position).

“”: High beam

“”: Low beam


Turn signal switch (5)

Push this switch to “” position to signal a left-hand turn or to “” position to signal a right-hand turn. Then return the switch to the centre position. To turn off the signal lights, press the button in the centre of the switch.




Horn button (6)

Press this button to sound the horn.

**WARNING:**

- Do not overload the scooter, as the weight (5kg) of the storage compartment, as it may affect the engine performance.



MAIN COMPONENTS

- As the storage compartment is near the engine, which can reach high temperatures, avoid storing any low heat-resistant or flammable items.

Seat



To open the seat, first unlock it from the seat lock turning the key clockwise and then lift it up.

To close the seat, lower it down and push the rear part of the seat until you hear a clicking sound. This indicates that the seat is locked. Then you can remove the key from the lock.

Always make sure that the seat is securely locked before driving.

Storage compartment

The storage compartment is located under the seat. Its maximum loading capacity is 5kg.



! WARNING:

- Gasoline is highly flammable and may be explosive. Always turn off the engine before refuelling.
- Never smoke while refuelling and avoid sparks, flames or any other source that could ignite the fuel.
- Do not overfill the tank. After refuelling, always make sure that the cap is securely closed.

1: Fuel tank cap



MAIN COMPONENTS

Fuel Tank

- When refuelling, be careful not to spill any gasoline out of the tank. After refuelling, please check the fuel tank for any gasoline and make sure it is dry before starting the engine.
- The fuel tank is located under the seat. To refuel lift the seat and turn the fuel tank cap (1) counter-clockwise to open it. After refuelling make sure to close the fuel tank tightly by turning the fuel tank cap clockwise.
- Avoiding breathing any gasoline vapours.
- Keep away from children.



Fuel

Use only 90-97 octane unleaded gasoline.





DRIVING INSTRUCTIONS

Pre-operation Inspection

Always perform the pre-operation inspection, before driving your scooter. Failure to do so may result in vehicle damage or an accident.

The time required to perform the necessary inspection is very short. However, it both ensures your safe driving and, in the long term, saves you time from vehicle repairs.

Make sure to inspect the following items:

Item	Inspection
Fuel	<ul style="list-style-type: none">- Check the fuel level and refuel if necessary- Inspect the fuel circuit for any fuel leakage
Engine oil and gear oil	<ul style="list-style-type: none">- Check the engine oil and the gear oil and refill to the specified level if necessary- Inspect the scooter for any oil leakage
Front and rear brakes	<ul style="list-style-type: none">- Check operation of the brakes- Inspect condition of the brake pads- Check the brake fluids and refill to the specified level if necessary- Inspect the hydraulic system for any leakage
Wheels and tyres	<ul style="list-style-type: none">- Check tyre condition and tyre wear- Check for any potential damage to the wheels or tyres- Inspect the air pressure and adjust if necessary

! WARNING:
- If any item in the Pre-operation inspection list is not functioning properly, have it inspected and repaired before operating the tractor



DRIVING INSTRUCTIONS

Item	Inspection
Throttle grip	<ul style="list-style-type: none">- Check operation of the throttle grip. It should be able to turn smoothly and be fully opened and closed- Inspect condition and free play of the cable
Brake levers	<ul style="list-style-type: none">- Check whether the brake levers operate smoothly and lubricate the joints if necessary
Lights and instruments	<ul style="list-style-type: none">- Inspect operation of the headlight, rear light, brake light, turn signal lights, horn and panel instruments

If you need assistance on how to perform any of the above-mentioned tasks, do not hesitate to contact an authorised Nipponia service point.



NOTICE:

- After engine has started, after pressing starting button for 4 seconds, turn the throttle grip open a little. If the engine has started, turn the side stand down.




DRIVING INSTRUCTIONS

- After long-term inactivity periods, it may be difficult to start the engine at the original use. In such a case, hold the start button a little more than usual and turn the throttle grip open a little.

Starting the Engine

- After starting in a cold state, allow the engine to warm up for approx. 3 minutes.
- Before starting the engine make sure to raise the side stand. You can rest the scooter on the main stand.
- If the engine does not start with the electric starter, try using the kick starter

1. Turn the main switch to “” position
2. Close the throttle completely and do not turn it
3. Press the start button while holding the rear brake lever to start the engine.



NOTE:


- The driving speed is controlled by the throttle grip. Turn the throttle grip open to increase the speed and close it to decrease it. Always perform a pre-driving inspection before driving.

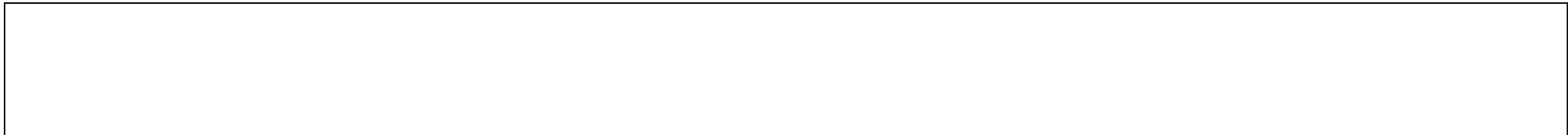


DRIVING INSTRUCTIONS

Kick starting

Make sure to raise the side stand and rest the scooter on the main stand

- 1. Turn the main switch to “” position
- 2. Close the throttle completely and do not turn it
- 3. Step down the kick starter with force and the engine will start



Driving

- 1. Start the engine as previously described
- 2. Push the vehicle off the main stand, holding the rear brake lever
- 3. Get on the scooter, keeping at least one foot on the ground to support and prevent it from falling
- 4. Adjust the rear-view mirrors
- 5. Before taking off, turn on the signal light and make sure it is safe to go
- 6. Release the brake and gradually turn the throttle grip open





WARNING:

- Applying the clutch fully (thumb lever) and pulling off the clutch cable slowly, maintaining a low speed.



- When riding the clutch, always keep the clutch lever disengaged for a longer distance than the brakes. Also, if you are riding the clutch, always keep the clutch lever disengaged for a longer distance than the brakes. Also, if you are riding the clutch, always keep the clutch lever disengaged for a longer distance than the brakes.

Braking

When you need to brake, close the throttle grip and use both front and rear brakes. Press the brake levers smoothly, gradually increasing the pressure.

Parking




1. Switch on the turn signal light in advance and check for approaching vehicles.

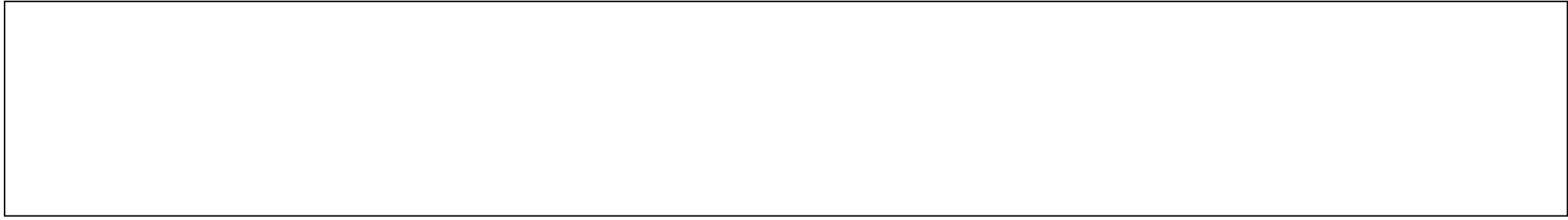
! WARNING:

- Park the scooter on a flat and stable surface to prevent it from falling.
- When parking, always leave the scooter facing upwards to prevent it from falling.



DRIVING INSTRUCTIONS

- ~~Do not turn the ignition switch to “” position during driving. It may cause a malfunction in the electrical system and lead to an accident.~~
- 2. Close the throttle grip and apply the brakes slowly, so the brake light will turn on and warn vehicles from behind.
- 3. When the vehicle stops, switch off the turn signal light.
- 4. Turn the main switch to “” position to stop the engine.
- 5. Rest the scooter on the main stand.
- 6. To prevent from theft, always lock the steering when parking (main switch on “” position) and remove the ignition key.



Engine Break-In

Breaking-in your scooter is very important, as it helps to prolong the life of the engine. The break-in period is the first 1000km.

During the period from 0 to 500km, driving speed should not exceed 30km/h, while from 500 to 1000km it should not exceed 50km/h.

During the engine break-in period do not put heavy loads on the scooter and avoid driving at full throttle or constant speed for a long time.



SERVICE AND MAINTENANCE

The vehicle must be serviced according to the maintenance and service schedule. The

symbols in the schedule chart

Maintenance Schedule

Item	I: Inspect or Clean, C: Clean, R: Replace	A: Adjust,	Period of maintenance in km			
		First 500	Every 1000	Every 3000	Every 6000	Every 12000
Engine oil		Check the oil level every 500km. First replacement at 500km and then after 3000km. Add oil every 1000km (oil consumption about 100-150ml is normal)				
Oil screen		I			R	
Gear oil		R	Replace every 6000km			
Air filter element		I		C	R	
Spark plug		I		I		R
Valve clearance					I	
Cam chain		I		I		
Carburettor (idle speed)		I			I	
Fuel screen		I		R		
Throttle function		I	I			
Braking system-pads-fluid		I	I			
Clutch weights					I	
Driving belt					I	R
Transmission system – check for leakage		I	I			
Engine check for leakage		I	I			
Fasteners-bolts-screws-nuts		I		I		
Headlight beam setting		I			I	
Suspension		I			I	
Tyres / Rims		I	I			
Steering stem bearings		I		I		
Note: The filter element should be cleaned or replaced with greater frequency when driving in a dusty environment. In such cases, it is recommended to clean it every 1000 km.						

1. Set the scooter on the centre stand on a level surface.

2. Start the engine and run at idle for 2 to 3 minutes.

3. Switch off the engine and wait for 2 to 3 minutes. Remove the oil

scale plug and clean it with a dry cloth, then insert it back in (do not

screw it in) to check the oil level. The level must be between the

MAX and the MIN mark.

4. When the oil level approaches or is close to the MIN mark, refill

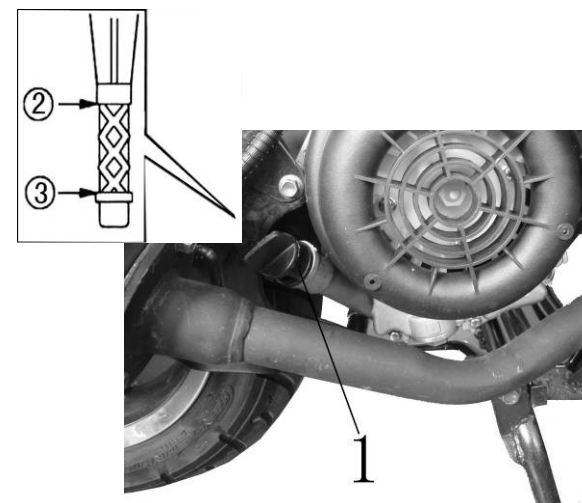
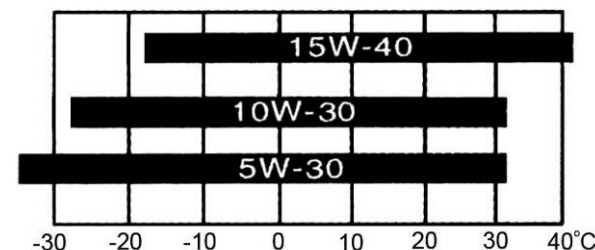
the oil to the MAX mark. Do not overfill.

The viscosity of the engine oil varies according to local average environmental temperature. You should choose the right viscosity or grade of oil for different temperatures. Lubricating oil has three grades: SAE 15W-40, SAE 10W-30, SAE 5W-30. Refer to the side figure for details.

Engine oil level inspection

The engine oil level must be checked daily before riding. The level should be between the MAX and the MIN mark on the oil scale plug.

1: Oil scale plug



! WARNING:

- Never fill with oil over the MAX mark.

- If oil level is below the MIN mark, do not start the engine as it may be damaged. Top up the oil and then start the engine.

SERVICE AND MAINTENANCE

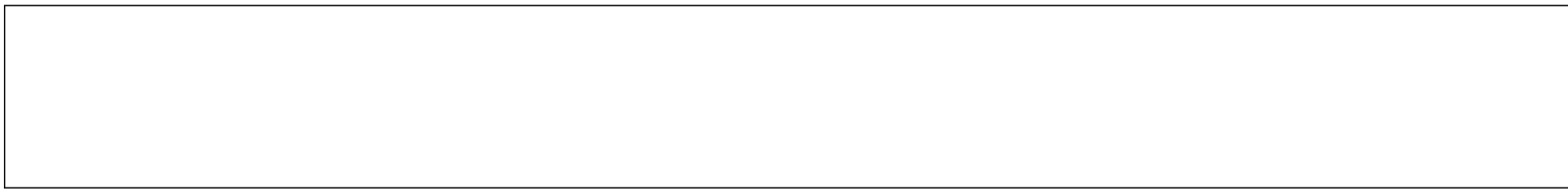
1: Drain bolt

2: Oil screen

3: Oil screen spring



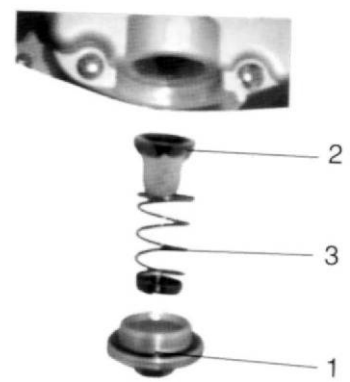
5. Screw in the oil scale plug, then check for leakage.



Engine oil replacement

The quality of the engine oil is the main factor that affects the life of the engine. Engine oil must be replaced at prescribed service intervals. Oil replacement must be carried out when the engine is warm, and with the scooter in a level position.

- 1. First put an empty container under the engine crankcase and then unscrew the oil scale plug.
- 2. Remove the drain bolt **(1)** under the right side of the crankcase. The oil screen spring **(3)** will fall out and the oil will start to drain.
- 3. Depress the kick starter several times to drain the oil completely.
- 4. Retrieve the oil screen **(2)** and clean it.





NOTICE:

- After the engine has been running, the oil temperature is high. Exercise caution when disposing of or burning oil. Do not pour oil on the ground or into the water. Wash it away with soap or a cleaning agent.



SERVICE AND MAINTENANCE

5. Inspect the drain bolt, seal, oil screen spring, oil screen and confirm that they are in good condition. Then re-assemble them as shown and tighten the drain bolt.
6. Pour 0.8L of new oil into the crankcase from the filling port and then tighten the oil scale plug.
7. Start the engine and run it at idle for several minutes.
8. Switch off the engine.
9. Inspect the oil level. Check for any leakage.

Gear (transmission) oil

Use gear oil for four-stroke gasoline engines. Recommended oil type: API GL-5 SAE 80W/90.

! ATTENTION:

- This work should only be done at an authorised Nipponia service point.
- Replace the gear oil while the engine is warm and with the scooter set on a level surface to ensure that the oil drains out completely.

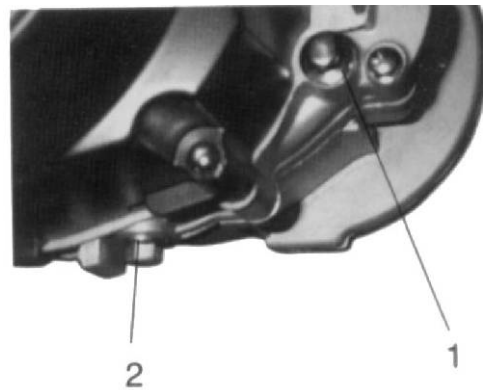


SERVICE AND MAINTENANCE

Gear oil replacement

- Replace the gear oil more frequently than recommended in the following conditions:

- 1: Frequent use in wet weather
 - 2: Prolonged riding time
 - 3: Riding with a loaded scooter
1. Set the scooter on the centre stand on a level surface.
 2. Remove the filling bolt (1) and the drain bolt (2).



3. It is better to replace the gear oil when the engine is warm, as it will be easier to drain out the residue of the gear oil.
4. After the gear oil has been drained out completely, clean the drain bolt and tighten it.
5. Pour about 100ml of new gear oil.
6. Tighten the filling bolt to prevent the gear oil from flowing out.
7. For a new scooter, replace the gear oil after the first 500 km. After that, replace every year or every 6000 km.



! ATTENTION:

- This model uses a dry-type air cleaner. When cleaning, use high pressure air and not oil type solvent.

- If the air cleaner is not installed correctly; dust can be sucked directly into the engine cylinder. This may cause piston wear, reduce engine power and shorten the life of the engine.

- 1: Electrode gap
- 1: Air cleaner
- 2: Side electrode

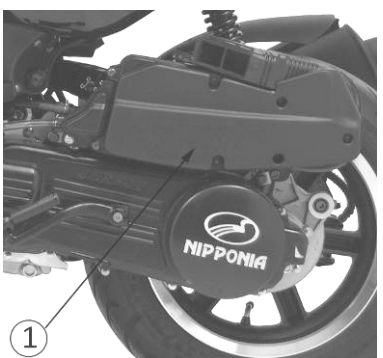


SERVICE AND MAINTENANCE

Air cleaner

The air cleaner must be maintained periodically. Especially after driving in a dusty environment, maintenance must be enhanced.

1. Remove air cleaner fixing bolts.
2. Remove air cleaner tightening bolts, take the air cleaner out.
3. Clean or replace filter element.



Re-install the air cleaner in reverse order.

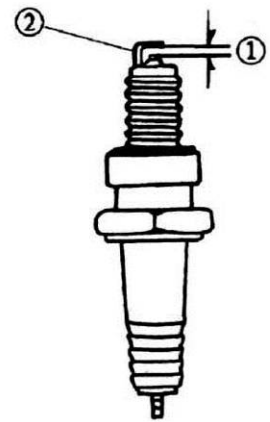


Spark Plug

Recommended spark plug for standard use: C7HSA (NGK) or A7T or A7RT (BAILIAN)

Spark plug inspection and replacement

1. Remove the dirt around the spark plug socket.
2. Take the spark plug cap off and remove the plug with the spark plug wrench from the tool bag.





WARNING:

- The spark plug must be screwed in fully. Otherwise, leakage from spark plug base and temperature increase may occur. **Service and maintenance**



SERVICE AND MAINTENANCE

- Do not use a spark plug with incorrect heat value, otherwise the engine could be severely damaged.
- 3. Measure the gap between pole and electrode with a thickness gauge and adjust to 0.6 - 0.7 mm.
- 4. When re-installing the spark plug, screw it in by hand and then tighten with the wrench (1/2 turn for a new plug, 1/8-1/4 turn for a used one).
- 5. Put on the spark plug cap.



Tyres

The inflated tyre pressure must be checked daily and regulated according to the following table. Cracks, damage, and wear on the tyres cause unsteady steering or even tyre blow-out. Note that tyre pressure is measured with cold tyres.

Tyre specifications		Tyre pressure in cold state	
		Rider only	Rider and passenger
Front wheel	120/70-12	1.75 bar	2.30 bar
Rear wheel	120/70-12	2.25 bar	2.30 bar

Note: 1 bar = 1 kg_f/cm² = 100 kPa



! ATTENTION:

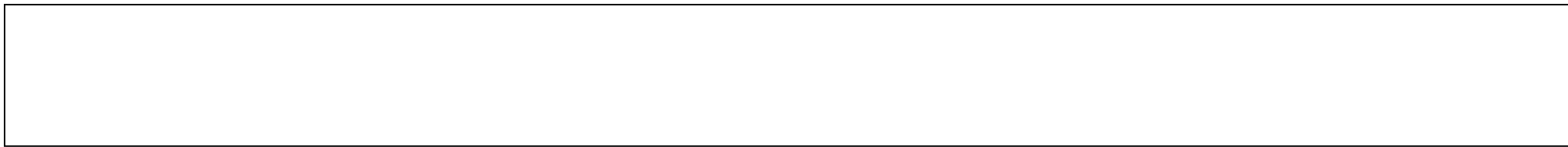
- If tyre pressure exceeds the standard value, the tyre can easily be damaged; if tyre pressure is below the standard value, it may cause insufficient braking or the tyre being dislodged from the rim.



SERVICE AND MAINTENANCE

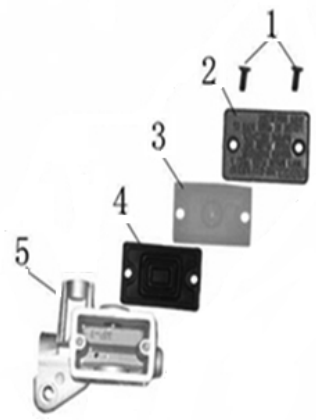
- 1: Screws
- 2: Reservoir cap
- 3: Reservoir pad
- 4: Reservoir seal
- 5: Reservoir

Driving with worn tyres is very dangerous. The tyres must be replaced before the tread is worn to the wear mark (1).



Brakes

This scooter is equipped with hydraulic disk type front brake and rear brake. Periodic maintenance and adjustment of the braking system should be performed to prevent accidents.



Hydraulic brake fluid inspection

Frequently scheduled inspections of hydraulic fluid level and wear condition of brake pads must be carried out.

If the free play of the brake lever is excessive (>2-3cm) and the brake pad wear is within its specified

! ATTENTION:

- The brake fluid must be handled with care, as it can damage the paint surfaces and plastic parts.
- When refilling the brake fluid, make sure the reservoir is set level otherwise fluid will spill out when you remove the reservoir cap.



SERVICE AND MAINTENANCE

- Only use DOT3 or DOT4 brake fluid from a sealed container. limits, air may be trapped in the braking system. It must be expelled. Take your scooter to an authorized Nipponia service point for brake maintenance.
- Do not mix pollutants such as oil, mud or water with the brake fluid in the reservoir.
- Inspect that the fluid level is above the MIN mark, when resting the motorcycle in a vertical position. When the hydraulic fluid level has fallen to the MIN mark, refill the fluid in the reservoir.
- The brake fluid can cause soreness and inflammation to the skin. Do not allow it to come into contact with your skin and eyes. If contact is made with the skin, wash it thoroughly with water. If contact is made with the eyes, wash out with plenty of water and consult a doctor immediately.
- Do not mix different types of brake fluid.

1. Remove the handlebar cover, reservoir cap, pad and seal (2, 3 and 4)
2. Add DOT3 or DOT4 brake fluid from a sealed closed container into the reservoir until the fluid level is at the MAX mark (5)
3. Reinstall the reservoir pad, reservoir cap and handlebar cover and tighten the screws (2).



Brakes inspection

You should check the braking system for breakages and leaks before riding.



NOTE:

- Before riding with newly installed brake pads, first depress the brake lever several times to extend the brake pads fully and restore normal operation, making the fluid circulation stable.



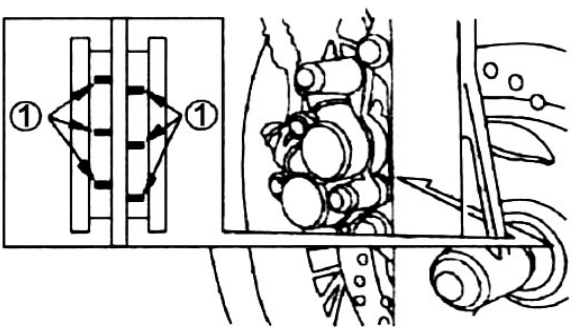
SERVICE AND MAINTENANCE

1: Wear mark

1. Depress the brake lever several times to determine whether there is a leak.
2. Check the wear condition of the brake pads.



Wear condition of brake pads varies according to the use of the vehicle, riding style and road conditions. Generally speaking, the brake pads may wear faster when driving on wet and dirty roads. Brake pad wear should be checked at every scheduled maintenance. In a hydraulic brake system, the thickness of brake disk and brake pad must be checked. Check the wear mark **(1)** on each brake pad, if one of the two brake pads is worn to the wear mark, replace both pads. If the thickness of brake disk is worn to its limit, the disk must be replaced at once.



Battery

This model uses a 12V 7Ah maintenance-free sealed battery. The battery will be prepared for use before you take delivery of the scooter. Please note the following:

! WARNING:

- When starting the engine, explosive gas is kept away from any spark for 5 seconds at a time. Alternatively, the battery should be disconnected. Avoid contact with the skin or eyes. Keep away from children.



SERVICE AND MAINTENANCE

- When the battery requires recharging, use 0.9A charging current and 12.5V charging voltage.
1. If the motorcycle is stored for a long time, the battery must be removed and charged fully, then stored in a cool dry place. If the battery is left on the vehicle, remove the negative cable from the battery pole.
 2. When removing the battery, the ignition switch should be in “~~ON~~” position and the negative cable removed. When installing, connect the positive cable first, then the negative one.
 3. Battery poles erode easily. Brush them clean with a needle brush then apply a film of Vaseline or grease.
 4. When installing the battery, terminal bolts must be screwed tightly.

Battery removal

1. Remove the cover screw and open the battery case cover.
2. Disconnect the negative cable from the battery first, then the positive cable.
3. Take the battery out of the battery case.

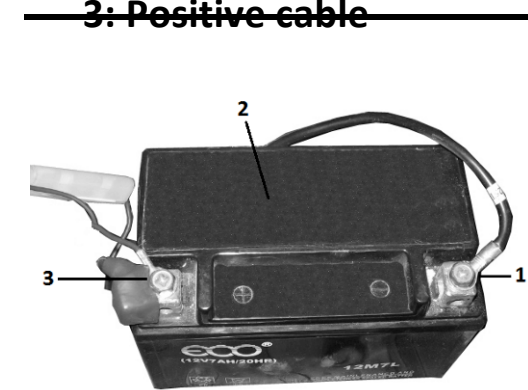


WARNING:

- Use of fuses of rating other than specified may result in damage to the electrical system, loss of engine power




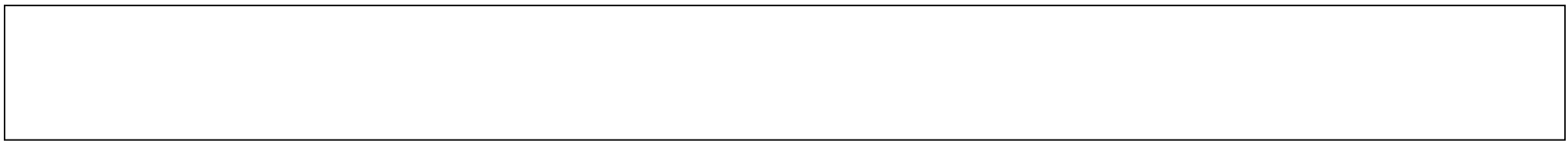
SERVICE AND MAINTENANCE



Electric fuse

The fuse is located at the battery and can withstand up to 15A.

The fuse can be rendered useless due to overloading of the electrical system or short circuiting. Switch off the main switch (turn to “” position) in advance to avoid a short circuit when replacing and/or inspecting a fuse.



! WARNING:

- Fuel is flammable. When draining and refilling the fuel tank, the engine should be switched off.



CARE AND STORAGE GUIDE

Long-term storage

When stored for a long time, your scooter must be protected against moisture, sunlight and rain. Before storing, the following steps should be taken:

1. Replace the engine oil.
2. Drain the fuel completely out of fuel tank and carburettor and fill the fuel tank with anti-rust fluid.
3. Disconnect and remove the battery and put it in a cool place.
4. After cleaning your scooter, apply a colour fixing or preserving agent on coloured parts and grease on moving metal parts.
5. Inflate tyres to specified pressure and then lift the scooter onto blocks to keep the wheels off the ground.
6. Finally, cover your scooter.



Use after storage

1. Take the cover off and clean your scooter. If the scooter has been stored for more than 4 months, replace the engine oil.
2. Recharge the battery and install it.
3. Drain the anti-rust fluid from the fuel tank, then refill with fuel.
4. Pre-operation inspection should be carried out before riding (see page 17).

! ATTENTION:

- Washing with high-pressure water may damage some parts. The following parts should not be washed in this fashion: Wheel hubs, muffler end, engine compartment, main switch and speedometer.

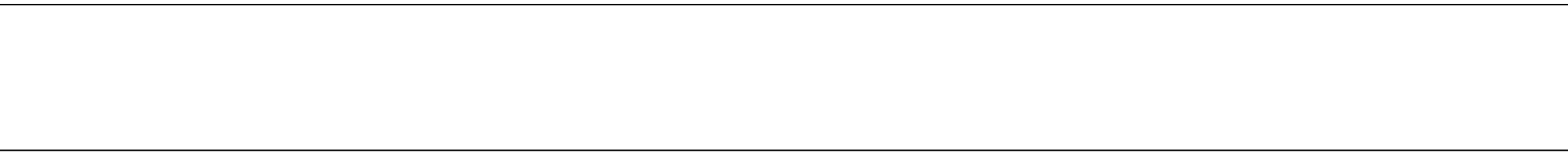


CARE AND STORAGE GUIDE

Cleaning

Cleaning the scooter periodically will help keeping the painting coat bright.

- 1. The scooter should be washed after it is stored in order to wash out the accumulated dust. The plastic parts should be cleaned with a cloth or sponge using a neutral cleaning agent.
- 2. After drying, let the engine run at idle for several minutes.
- 3. Before riding, the brakes should be inspected carefully.





SPECIFICATIONS

Dion 125

Item	Data	Item	Data
Overall length (mm)	1810	Displacement (ml)	124.6
Overall width (mm)	695	Max Power (kW/rpm)	6.0 / 7000
Overall height (mm)	1170	Max Torque (Nm /rpm)	8.6 / 6000
Wheel base (mm)	1295	Idling speed	1700±170
Weight with oil and fuel (kg)	106	Fuel consumption at 30km/h speed (L/100km)	≤2.8
Max. load (kg) (including driver)	181	Spark plug	C7HSA (NGK)
Front tyre	120/70-12	Spark plug gap	0.6~0.7
Rear tyre	120/70-12	Engine oil capacity (L)	0.8
Climbing ability	≥16°	Fuel tank capacity (L)	5.0
Braking distance (m)	≤7 m	High / low beam Position light Taillight/brake light/ license plate light Turn signal lights	12V-25W/25W 12V-5W 12V-5W/21W/5W 12V 10W x 4
Battery	12V-7Ah		
Fuse	15A		
Front disc brake (mm)	190		
Rear disc brake (mm)	190		

Note: All data obtained under laboratory conditions in accordance with relevant standards.



WIRING DIAGRAM

